

No. SH7125121/CHEM

Date: Oct. 25, 2007

Page 1 of 7

JIANGS J HANGTIAN XINGYUAN NEW ELECTRONIC MATERIAL CO., LTD. 73 QINGTONG ROAD QINGYANG TOWN, JIANGYIN CITY, JIANGSU, P.R.CHINA

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name

COPPER CLAD LAMINATE

SGS Ref No. Part No.

10646950-1 : V-76 (CEM-1)

Cover model Main Substance : NS-4791 (CEM-1)

: POLYMERIC MATERIAL

Country of Origin

CHINA

Sample Receiving Date: Oct.22 2007 esting Period

Oct.22 - 25, 2007

Test Requested

In accordance with the RoHS Directive 2002/95/EC, and its amendment directives

Test Method

(1) With reference to IEC 62321 Ed.1 111/54/CDV for Cadmium content.

Analysis was performed by ICP.

(2) With reference to IEC 62321 Ed 1 111/54/CDV for Lead content

Analysis was performed by ICP

(3) With reference to IEC 02321 Ed 1 111/54/CDV for Mercury content

Analysis was performed by ICP

(4) With reference to IEC 62321 Ed.1 111/54/CDV for Hexavalent Chromium by

Colorimetric Method

(5) With reference to IEC 62321 Ed. 1 111/54/CDV for PBBs / PBDEs content.

Analysis was performed by GC/MS

Test Results

Please refer to next pages

Signed for and on behalf of SGS-CSTC Chemical Laboratory

Ella Zhang

Sr. Section Head

Signed for and on behalf of SGS-CSTC Chemical Laboratory

> Sandy Hao Lab Manager

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No. SH7125121/CHEM

Date Oct. 25, 2007

Page 2 of 7

Test results by chemical method (Unit mg/kg)

Test Item(s):	Method (refer to)	1	MDL	RoHS Limit
Cadmium(Cd)	(1)	ND	2	100
Lead (Pb)	(2)	11	2	1000
Mercury (Hg)	(3)	ND	2	1000
Hexavalent Chromium (CrVI)	(4)	ND	2	1000
Sum of PBBs		ND	= .	1000
Monobromobiphenyl		ND	5	-
Dibromobiphenyl		ND	5	4
Tribromobiphenyl	(5)	ND	5	1
Tetrabromobiphenyl		ND	5	
Pentabromobiphenyl		ND	5	
-lexabromobiphenyl		ND	5	-
-leptabromobiphenyl		ND .	5	+
Octabromobiphenyl		ND	5	1.14.
Nonabromobiphenyl		ND	5	
Decabromobiphenyl		ND	5	1
Sum of PBDEs (Note 4)		ND		1000
Monobromodiphenyl ether		ND	6	-
Dibromodiphenyl ether		ND	5	1 000
Tribromodiphenyl ether		ND	5	
Tetrabromodiphenyl ether		ND	5	-
Pentabromodiphenyl ether		ND	5	
Hexabromodiphenyl ether		ND	5	- 1
Heptabromodiphenyl ether		ND	5	181
Octabromodiphenyl ether		ND	5	12
Nonabromodiphenyl ether		ND	5	1.0
Decabromodiphenyl ether		ND	5	180
Sum of PBDEs (Mono to Deca)		ND	-	

### Test Par: Description:

1. Beige solid copper clad laminate with purple printing

### Note:

- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt
- (5) "-" = Not Regulated
- (6) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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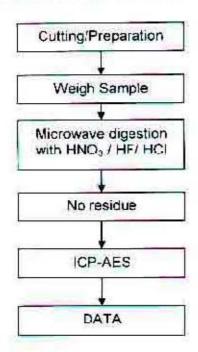
No. SH7125121/CHEM

Date: Oct 25, 2007

Page 3 of 7

#### **ATTACHMENTS**

Cd and Pb Measurement Flowchart for sample



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Tested by Checked by

Chaven Lian Terry Wang

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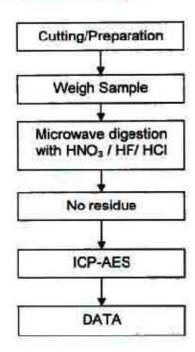


No. SH7125121/CHEM

Date: Oct. 25, 2007

Page 4 of 7

Hg Measurement Flowchart for sample



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: Chaven Lian Terry Wang

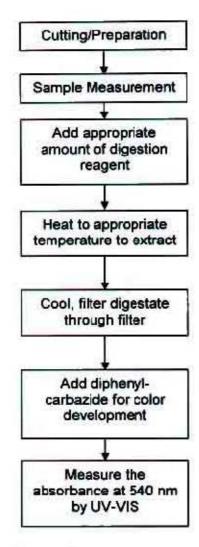
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No. SH7125121/CHEM

Date: Oct. 25, 2007

Page 5 of 7

CrVI Measurement Flowchart for sample



Tested by : George Xu Checked by : Terry Wang

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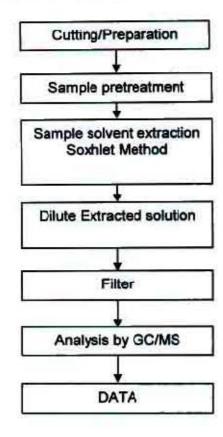


No. SH7125121/CHEM

Date: Oct. 25, 2007

Page 6 of 7

## PBBs/PBDEs Measurement Flowchart for sample



Tested by Checked by : Diane Wang : Tracy Yue

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No. SH7125121/CHEM

Date: Oct. 25, 2007

Page 7 of 7

Sample photo:



SGS authenticate the photo on original report only

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